

Special Issue

Artificial Intelligence for Medical Image Analysis (Volume II)

Message from the Guest Editor

Artificial intelligence (AI) revolutionizing the sector of medical imaging. Numerous AI-based tools have been developed to automate medical image analysis and improve automated image interpretation. In particular, deep learning approaches have demonstrated exceptional performance in the screening and diagnosis of many diseases. A further challenge of AI-driven solutions is to develop tools for personalized disease assessment through deep learning models by taking advantage of their ability to learn patterns and relationships in data, utilizing massive volumes of medical images and combining radiomics extracted from them with other forms of medical data. With the above in mind, this Special Issue aims to promote the latest cutting-edge AI-driven research in medical image processing and analysis. Of particular interest are submissions regarding computer-aided diagnosis and the improvement of automated image interpretation. However, contributions concerning other aspects of medical image processing (including, but not limited to, image quality improvement, image restoration, image segmentation, image registration and radiomics analysis) are also welcomed.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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